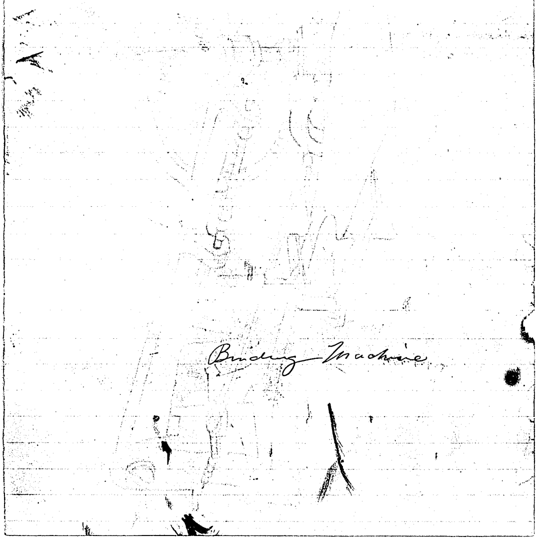
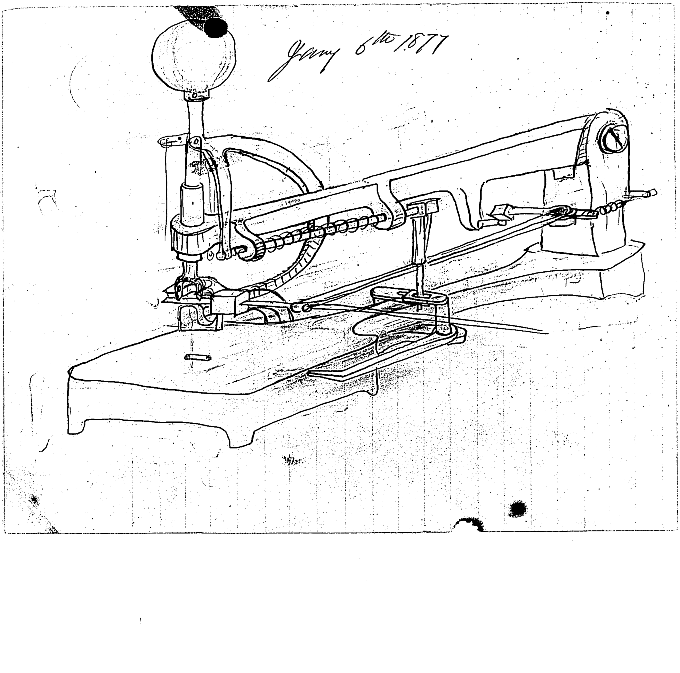
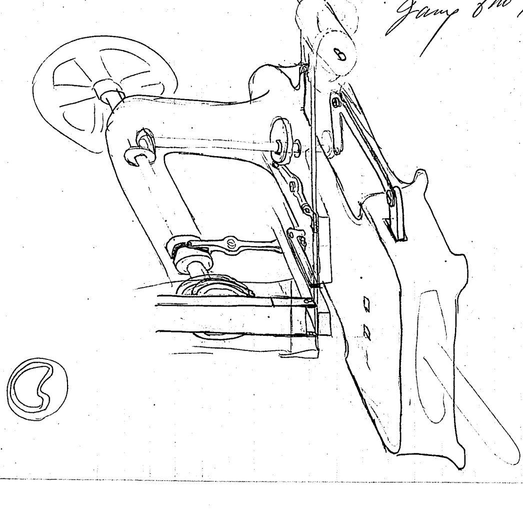
1877. General (NS-77-001)



Binding Machine

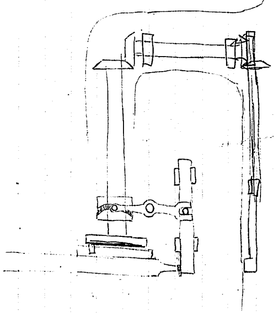


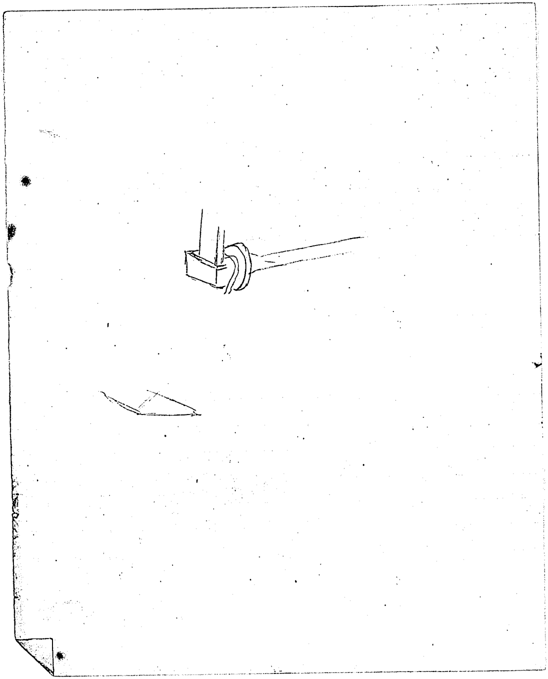
Jany 6th 1877



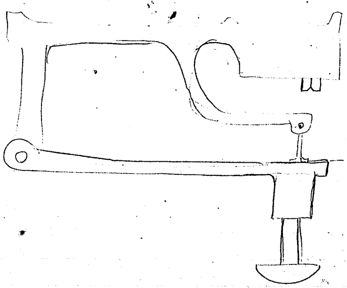
Jany 8th 1877

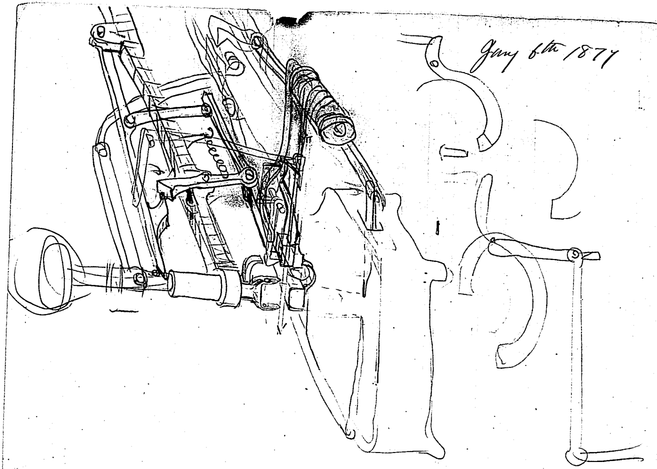
Jany 6th 1877





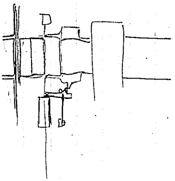
Jany 6th 1877

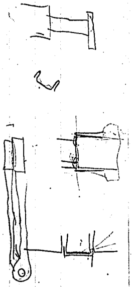


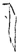


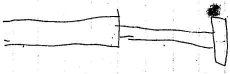
Jany 6th 1877

Jany 6th 1877

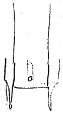








Hold the wire
feed the wire
stop the wire
cut off the wire
bend the wire
close the ends
hold the paper



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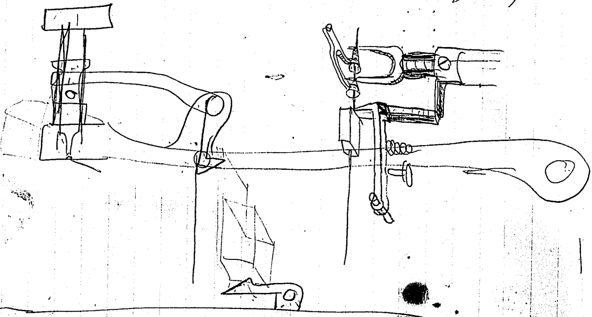
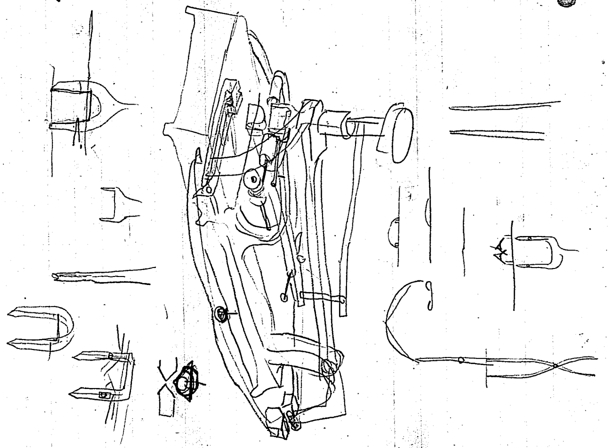
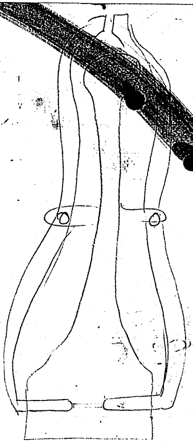


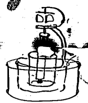
Jany 6th 1877



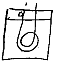


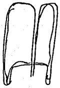
1877-01-10

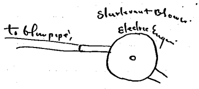
Electric Engines to run ventilators



Engine
carbon in
battery + wound with
iron wire, Sal ammoniac,
Depolarization







Jany 10 1877

TAEdison

Put polishing tools in Electric Engine Kruzi now making =

Engine to Run a Music Box =

Little Lamp Engine fixed to a Clock to run it =

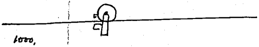
Electric Engine to Run a Siemens Ink recorder =

(Electric Alonza

Electric Engines for spraying + Vaporizing Gasoline, for Household gas light + for Chandalier Lights =

Why not bind books Especially those to be written in with rubber or Elastic thread so book will lay flat when opened =

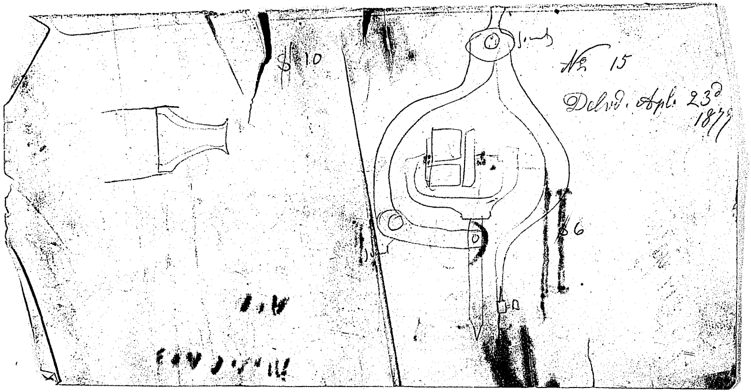
3000



With Electric Engine drill holes in type metal etc for insertion pins to perforate drawings for Kindergarden Books

1000,

Electric portable Engine
+ uses



$10

No 15

Delvd. Apl. 23d 1877

Unbound Notes and Drawings, 1874-1878

1877. General (NS-77-001)

[These pages probably follow the document on Reel 7, Frame 417.]

April 24 1877
TA Edison
Chas Batchelor
James Adams

I have remark that hard rubber or Vulcanite which has been softened by steeping or soaking in Mirbane or nitro-benzole and then broken up in pieces, cannot be made to adhere together under moderate pressure in a mould Even when the model is sufficiently hot to soften the rubber had it not been previously softened by the Mirbane hence as I tried the utilization of Vulcanite Scrap by this process apparently is a failure

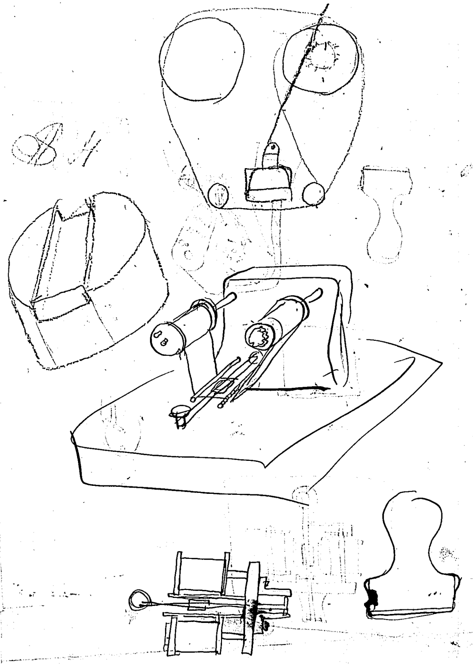
There can be no doubt but the Mirbane penetrates Ivory to considerable depth for in breaking a piece 1/16 thick which was transparent the crack or freshly broken Edge was moist with Mirbane or at least appeared so —

Unbound Notes and Drawings, 1874-1878

1877. General (NS-77-001)

[These pages probably follow the document on Reel 7, Frame 417.]

No 21 April 30th 1877 8 PM

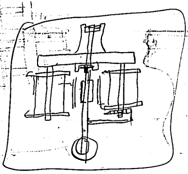


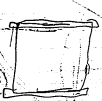
Delivd May 1st 1877

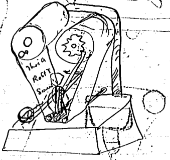
Unbound Notes and Drawings, 1874-1878

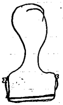
1877. General (NS-77-001)

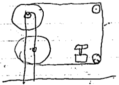
[These pages probably follow the document on Reel 7, Frame 417.]






This
Roll
Sou





Unbound Notes and Drawings, 1874-1878

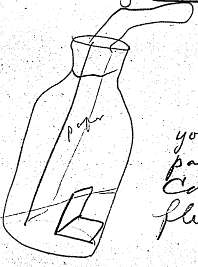
1877. General (NS-77-001)

[These pages probably follow the document on Reel 7, Frame 417.]

Hunting for Phenomenon May 7 1877

TA Edison
Chas Batchelor
James Adams

Turpentine Pyroxylic spirit - paper immersed for 2 or 3 months in liquid becomes brittle and can be kneeded in the fingers but not like that in White Thymic =



you see two ends of the piece paper by holding bottle containing small quantity fluid at angle =

Iodide of Hg red in Alcohol apparently insoluble yet I find in 2 or 3 months that most of Hg has gone up by some action on side of bottle towards light above the solution & balance has gone up the slip of paper to top of bottle

Notes ~~[illegible]~~

May 26 1877
~~TAE~~
T A Edison
Chas Batchelor

Liebig & Kopp Repts Vol 1

p. 114. describes train gearing fan revolving in oil = big Larger sectional area tube, tends ~~[illegible]~~ lower note, 116 p—

Bellani deduces observations of Galloni that tightly stretched iron wires in free air sound only ~~or~~ during change of weather — no sound obtained in either fine, rainy or very windy weather =

Blue ink — Paris blue in oxalic acid Vide p 155—

p 227 = Gripper from the state that polarization increases by cold that the E.Mg. will work better in cold than hot weather + better when the paper is not drawn so fast as to heat the platina points —

229 = Gr infers when but little Sul Cop in Calland cell & others in series have plenty that cell will polarize as decomp is greater than there is Vitriol to decomp hence appearance of Hydrogen

237 = Auto Circuit breaker Neeff. 1839 (2)
renewed by Forment Paris 1847 = (3) =

238 = in Electric light Carbon points being separated the arc is reestablished by the discharge of a powerful Leyden spark from Carbon to Carbon this carries over particles & Establishes the circuit —

(Continued)

May 26/77
T A Edison

rod of conducting substance Hg etc through which Current passes, & which is interrupted with a vibrator when placed on the pole of a powerful Electro magnet page 239

Chas Batchelor

282 = says best way get ozoned oxygen used conc sulp Zinc with undissolved crystals = Note I think in my Eng Expts I noticed & noted in book powerful odor from Chl Zinc & one or 2 others phosphate of soda I think —

Try Chloride Lime & Sugar — also Chl Lime with sol of glue

Poggendorff
p 300 = says that Hydrides of metals only finely divided metals — says neg pole Volt bat with silver antimony — Vol 1
Think = he's mistaken

61 Vol III - Sainte-Preuve proposed 1849 build telgh with ~~Hg~~ a liquid & of solid rods in tubes filled [illegible]

Vol 4 - p83 = Page says Trevelyan rocker may be made to go electrically shows how

Continued

May 27/77

T A Edison

33 p. Vol 11 – Liebig & Kopp

To saturated sol of iodine in Iod Pot. add anise or fennell oil drop by drop agitate mixture a gelatinous magma produced which on addn Alcohol yields pulverent body + washed with Al. dazzling white. highly Electric = fuses 100°. to vitreous on cooling

T A Edison

Chas Batchelor

Vol 14 P. 10

dip your hand in Ether then in boiling water or molten lead. it feels cool =

By putting the eyes close to a good sized printing at a point where the printing appears very blurred and there are double images of the letter the fainter double letter will appear blue, to violet

July 21 1877

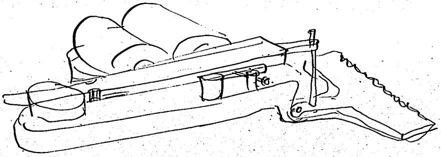
Sheet rubber quickly stretched becomes heated suddenly allowed to resume its normal position it be[illegible] colder than its nor[illegible] temperature

If a strip of vulcanized rubber 6 inches long 2½ wide be ~~placed~~ grasped by the hand at each end the centre being placed on the lips, the slightest bending causes one side to become heated & the other side to become cold & if arranged as a vibrating plate before any elasticity [illegible] can obtain ~~thermal~~ [illegible] heat waves passing

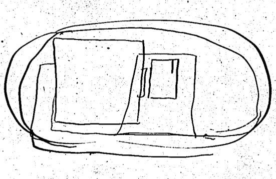
---

Horse Clipper
worked by Acoustic
Reed =

Aug 6 1877
TA Edison

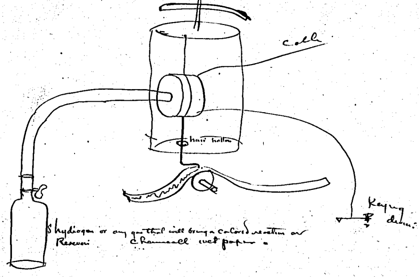


100



~~Morse~~ Recording Galvanometer

Aug 7 1877

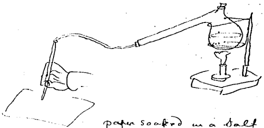

cells
hair hollow
Keying device

S hydrogen or any gas that will bring a colored reaction on
Reservoir Chemical wet paper.

September 5 1877.

Method of ornamenting

Chas Batchelor
James Adams



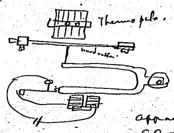
paper soaked in a salt of a metal to be reduced
The writing will Come out and Shine like the
metal, It may be used for preparing message
for Fac Simile Telegraphs

Unbound Notes and Drawings, 1874-1878

1877. General (NS-77-001)

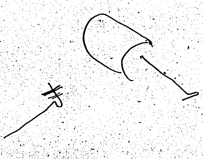
[This page probably precedes the document on Reel 7, Frame 425.]

September 8 1877
T A Edison
Chas Batchelor
James Adams
J Kruesi
G E Carman
M N Force



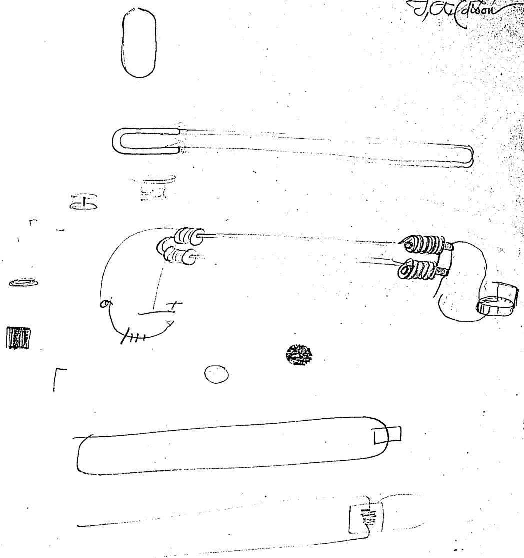
apparatus for transforming heat waves into Electric waves

I notice with the solid vulcanite that after you have worked it for 1/2 minute or so it is far more sensitive ~~for~~ in producing the heat & cold waves & if placed against the mouth after working strongly for 1/2 minute then the slightest movement will cause these waves to be felt =



Sept 22 1877

T. A. Edison



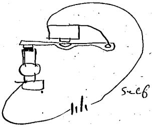
Unbound Notes and Drawings, 1874-1878

1877. General (NS-77-001)

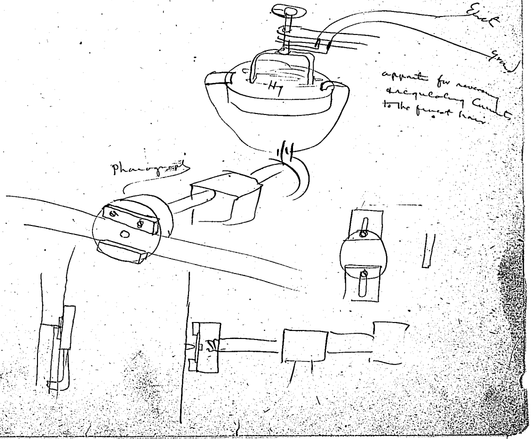
[These pages probably follow the document on Reel 7, Frame 425.]

Miscellaneous

Nov 6 1877
T.A.Edison
Chas Batchelor



Self pressure Relay U. Grav



apparatus for reversing undulating Currents to the finest hair

Unbound Notes and Drawings, 1874-1878

1877. General (NS-77-001)

[These pages probably follow the document on Reel 7, Frame 425.]